

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/490,064A
Source: IFW/b
Date Processed by STIC: 5/2/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/02/2006

PATENT APPLICATION: US/09/490,064A

TIME: 11:47:40

Input Set : A:\376298US.APP

Output Set: N:\CRF4\05022006\I490064A.raw

3 <110> APPLICANT: KNAPPIK, ACHIM
 4 PACK, PETER
 5 ILAG, VIC
 6 GE, LIMING
 7 MORONEY, SIMON
 8 PLUECKTHUN, ANDREAS
 10 <120> TITLE OF INVENTION: PROTEIN/(POLY)PEPTIDE LIBRARIES
 12 <130> FILE REFERENCE: 37629-0008US
 14 <140> CURRENT APPLICATION NUMBER: 09/490,064A
 15 <141> CURRENT FILING DATE: 2000-01-24
 17 <150> PRIOR APPLICATION NUMBER: 09/025,709
 18 <151> PRIOR FILING DATE: 1998-02-18
 20 <160> NUMBER OF SEQ ID NOS: 372
 22 <170> SOFTWARE: PatentIn Ver. 3.3
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 20
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 31 peptide linker
 33 <400> SEQUENCE: 1
 34 Ala Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly
 35 1 5 10 15
 37 Gly Gly Gly Ser
 38 20
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 82
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 48 oligonucleotide
 50 <400> SEQUENCE: 2
 51 tcagcgggtg gcggttctgg cggcgggtggg agcgggtggcg gtggttctgg cggtggtggg 60
 52 tccgatatcg gtccacgtac gg 82
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 83
 57 <212> TYPE: DNA
 58 <213> ORGANISM: Artificial Sequence
 60 <220> FEATURE:
 61 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 62 oligonucleotide

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64 <400> SEQUENCE: 3
65 aattccgtac gtggaccgat atcggaacca ccaccgccag aaccaccgcc accgctccca 60
66 ccgccgccag aaccgccacc cgc                                     83
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 69
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
76     oligonucleotide template
78 <220> FEATURE:
79 <221> NAME/KEY: modified_base
80 <222> LOCATION: (28)..(30)
81 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
82     capable of coding any natural occurring amino acid
83     other than Cys
85 <220> FEATURE:
86 <221> NAME/KEY: modified_base
87 <222> LOCATION: (31)..(33)
88 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
89     capable of coding any natural occurring amino acid
90     other than Cys
92 <220> FEATURE:
93 <221> NAME/KEY: modified_base
94 <222> LOCATION: (34)..(36)
95 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
96     capable of coding any natural occurring amino acid
97     other than Cys
99 <220> FEATURE:
100 <221> NAME/KEY: modified_base
101 <222> LOCATION: (37)..(39)
102 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
103     capable of coding any natural occurring amino acid
104     other than Cys
106 <220> FEATURE:
107 <221> NAME/KEY: modified_base
108 <222> LOCATION: (40)..(42)
109 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
110     capable of coding any natural occurring amino acid
111     other than Cys
113 <220> FEATURE:
114 <221> NAME/KEY: modified_base
115 <222> LOCATION: (43)..(45)
116 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
117     capable of coding any natural occurring amino acid
118     other than Cys
120 <400> SEQUENCE: 4
W--> 121 gatacggccg tgtattattg cgcgcgtnnn nnnnnnnnnn nnnnngatta ttggggccaa 60
122 ggcaccctg                                     69

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125 <210> SEQ ID NO: 5
126 <211> LENGTH: 84
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
132 oligonucleotide template
134 <220> FEATURE:
135 <221> NAME/KEY: modified_base
136 <222> LOCATION: (28)..(30)
137 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
138 capable of coding any natural occurring amino acid
139 other than Cys
141 <220> FEATURE:
142 <221> NAME/KEY: modified_base
143 <222> LOCATION: (31)..(33)
144 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
145 capable of coding any natural occurring amino acid
146 other than Cys
148 <220> FEATURE:
149 <221> NAME/KEY: modified_base
150 <222> LOCATION: (34)..(36)
151 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
152 capable of coding any natural occurring amino acid
153 other than Cys
155 <220> FEATURE:
156 <221> NAME/KEY: modified_base
157 <222> LOCATION: (37)..(39)
158 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
159 capable of coding any natural occurring amino acid
160 other than Cys
162 <220> FEATURE:
163 <221> NAME/KEY: modified_base
164 <222> LOCATION: (40)..(42)
165 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
166 capable of coding any natural occurring amino acid
167 other than Cys
169 <220> FEATURE:
170 <221> NAME/KEY: modified_base
171 <222> LOCATION: (43)..(45)
172 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
173 capable of coding any natural occurring amino acid
174 other than Cys
176 <220> FEATURE:
177 <221> NAME/KEY: modified_base
178 <222> LOCATION: (46)..(48)
179 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
180 capable of coding any natural occurring amino acid
181 other than Cys

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183 <220> FEATURE:
184 <221> NAME/KEY: modified_base
185 <222> LOCATION: (49)..(51)
186 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
187     capable of coding any natural occurring amino acid
188     other than Cys
190 <220> FEATURE:
191 <221> NAME/KEY: modified_base
192 <222> LOCATION: (52)..(54)
193 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
194     capable of coding any natural occurring amino acid
195     other than Cys
197 <220> FEATURE:
198 <221> NAME/KEY: modified_base
199 <222> LOCATION: (55)..(57)
200 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
201     capable of coding any natural occurring amino acid
202     other than Cys
204 <400> SEQUENCE: 5
W--> 205 gatacggccg tgtattattg cgcgcgtnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnwtk 60
      206 gatkwtggg gccaaaggcac cctg 84
209 <210> SEQ ID NO: 6
210 <211> LENGTH: 21
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
216     primer
218 <400> SEQUENCE: 6
219 gatacggccg tgtattattg c 21
222 <210> SEQ ID NO: 7
223 <211> LENGTH: 17
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
229     primer
231 <400> SEQUENCE: 7
232 cagggtgcct tggcccc 17
235 <210> SEQ ID NO: 8
236 <211> LENGTH: 17
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
242     primer
244 <400> SEQUENCE: 8
245 gcagaaggcg aacgtcc 17
248 <210> SEQ ID NO: 9

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Input Set : A:\376298US.APP

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249 <211> LENGTH: 80
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
255     oligonucleotide template
257 <220> FEATURE:
258 <221> NAME/KEY: modified_base
259 <222> LOCATION: (42)..(44)
260 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
261     capable of coding any natural occurring amino acid
262     other than Cys
264 <220> FEATURE:
265 <221> NAME/KEY: modified_base
266 <222> LOCATION: (45)..(47)
267 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
268     capable of coding any natural occurring amino acid
269     other than Cys
271 <220> FEATURE:
272 <221> NAME/KEY: modified_base
273 <222> LOCATION: (48)..(50)
274 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
275     capable of coding any natural occurring amino acid
276     other than Cys
278 <220> FEATURE:
279 <221> NAME/KEY: modified_base
280 <222> LOCATION: (51)..(53)
281 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
282     capable of coding any natural occurring amino acid
283     other than Cys
285 <220> FEATURE:
286 <221> NAME/KEY: modified_base
287 <222> LOCATION: (57)..(59)
288 <223> OTHER INFORMATION: region represents a variable trinucleotide combination
289     capable of coding any natural occurring amino acid
290     other than Cys
292 <400> SEQUENCE: 9
W--> 293 tggaagctga agacgtgggc gtgtattatt gccagcagbv tnnnnnnnnn nnnccgnnt 60
294 ttggccaggg tacgaaagtt 80
297 <210> SEQ ID NO: 10
298 <211> LENGTH: 18
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
304     primer
306 <400> SEQUENCE: 10
307 aactttcgta ccctggcc 18
310 <210> SEQ ID NO: 11

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/490,064A

DATE: 05/02/2006
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Input Set : A:\376298US.APP
Output Set: N:\CRF4\05022006\I490064A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. ~~28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45~~
Seq#:5; N Pos. ~~28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47~~
Seq#:5; N Pos. ~~48,49,50,51,52,53,54,55,56,57~~
Seq#:9; N Pos. ~~42,43,44,45,46,47,48,49,50,51,52,53,57,58,59~~
Seq#:11; N Pos. 21,22,23,27,28,29,30,31,32,33,34,35,42,43,44,48,49,50
Seq#:12; N Pos. 21,22,23,27,28,29,30,31,32,39,40,41,45,46,47
Seq#:365; N Pos. 43,44,45,52,53,54,58,59,60
Seq#:366; N Pos. 43,44,45,52,53,54,58,59,60
Seq#:367; N Pos. 43,44,45,52,53,54,58,59,60
Seq#:368; N Pos. 47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64
Seq#:369; N Pos. 47,48,49,50,51,52,53,54,55,56,57,58,59,60,61
Seq#:370; N Pos. 47,48,49,50,51,52,53,54,55,56,57,58
Seq#:372; N Pos. 21,22,23,27,28,29,30,31,32,33,34,35,42,43,44,48,49,50

VERIFICATION SUMMARY

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Input Set : A:\376298US.APP

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L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:8481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:0
L:8516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:366 after pos.:0
L:8551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:0
L:8563 M:283 W: Missing Blank Line separator, <220> field identifier
L:8606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368 after pos.:0
L:8607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368 after pos.:60
L:8655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369 after pos.:0
L:8656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369 after pos.:60
L:8697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370 after pos.:0
L:8766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372 after pos.:0